

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	349	208/49.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:29
S2	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 14:36

## EAST Search History

S3	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 09:47
S4	37	S1 and heteroatom	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:15
S5	2	S2 and heteroatom	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:15

## EAST Search History

S6	2	S2 and heteroatom and aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:16
S7	37	S1 and heteroatom and aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:16
S8	40	S3 and heteroatom and aromatic	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:16
S9	0	(S1 or S2 or S3) and hydrorefin\$4 with strip\$4 with dewax\$4 with hydrotreat\$4 with fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:30
S10	0	(S1 or S2 or S3) and hydrorefin\$4 same strip\$4 same dewax\$4 same hydrotreat\$4 same fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:30
S11	3	(S1 or S2 or S3) and hydrorefin\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:31
S12	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrotreat and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:31
S13	6	(S1 or S2 or S3) and heteroatom with aromatic with hydrotreat\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:31
S14	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrorefin\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:32
S15	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrorefin\$4 and strip\$4 and dewax\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:34
S16	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrorefin\$4 and strip\$4 and dewax\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:34
S17	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrorefin\$4 and strip\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:34
S18	0	(S1 or S2 or S3) and heteroatom with aromatic with hydrorefin\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 10:35
S19	819	208/49,57.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:29

## EAST Search History

S20	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:30
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## EAST Search History

S21	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 11:30
S22	0	(S19 or S20 or S21) and hydrorefin\$4 with strip\$4 with dewax\$4 with hydrotreat\$4 with fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:30
S23	0	(S19 or S20 or S21) and hydrorefin\$4 same strip\$4 same dewax\$4 same hydrotreat\$4 same fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:30

## EAST Search History

S24	4	(S19 or S20 or S21) and hydrorefin\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:31
S25	0	(S19 or S20 or S21) and heteroatom with aromatic with hydrotreat and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:31
S26	9	(S19 or S20 or S21) and heteroatom with aromatic with hydrotreat\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:32
S27	0	(S19 or S20 or S21) and heteroatom with aromatic with hydrorefin\$4 and strip\$4 and dewax\$4 and hydrotreat\$4 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:32
S28	4	S20 and strip\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:40
S29	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 15:58
S30	4	S29 and feed with mixture	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:15
S31	0	S29 and intermediate with stream	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:15
S32	3	S29 and strip\$4 with product	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 10:39

## EAST Search History

S33	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/03 16:20
S34	819	208/49,57.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:20
S35	977	(S29 or S33 or S34)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:20

## EAST Search History

S36	134	S35 and strip\$4 with product	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:02
S37	0	S35 and strip\$4 with product with VI with aniline	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 16:21
S38	0	S35 and strip\$4 with product with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:49
S39	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 10:39
S40	4	S39 and strip\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 10:42
S41	1	WO-200208363-\$.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/05/04 10:42



## EAST Search History

S42	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 11:25
S43	819	208/49,57.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:44
S44	977	(S39 or S42 or S43)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:25

## EAST Search History

S45	23	S44 and dewax\$4 with feed with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:57
S46	0	S44 and \$5dewax\$4 with feed with API with cst with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:51
S47	0	S44 and dewax\$4 with feed with API with cst with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:51
S48	0	S44 and dewax\$4 with feed with API with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:51
S49	23	S44 and dewax\$4 with feed with VI	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:58
S50	2	S44 and dewax\$4 with feed with API	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:52
S51	363	naphthenic adj base adj oil	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:57
S52	2	naphthenic adj base adj oil and strip\$4 with dewax\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:57
S53	0	S44 and dewax\$4 with feed with VI with -20	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 11:59
S54	4	S44 and strip\$4 with intermediate with stream	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:17
S55	2	S44 and strip\$4 with stream with API	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 12:04
S56	4	S44 and dewax\$4 with intermediate with stream	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:25
S57	53	S44 and dewax\$4 with intermediate	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:25
S58	20	S44 and dewax\$4 with intermediate with feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:26
S59	3	S44 and dewax\$4 with intermediate with feed not (intermediate adj pore)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:46

## EAST Search History

S60	0	S44 and dewax\$4 with feed and sulfur with aniline with VI with API	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:28
S61	1	S44 and dewax\$4 with feed and sulfur with aniline with API	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 13:28
S62	1047	208/49,57,28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:44
S63	583	208/49,28.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:44
S64	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:45

## EAST Search History

S65	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 14:45
S66	740	208/49,28.ccls. or S64 or S65	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:45
S67	3	S66 and dewax\$4 with intermediate with feed not (intermediate adj pore)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:46

## EAST Search History

S68	161	S66 and dewax\$4 with feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 14:47
S69	13	S66 and dewax\$4 with feed and VI and aniline and sulfur and API	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:09
S70	9	("4414097"   "4790928"   "4810357"   "4919788"   "5246566"   "5275719").PN. OR ("5951848"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/04 16:27
S71	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:09

## EAST Search History

S72	169	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/05 10:09
S73	740	208/49,28.ccls. or S71 or S72	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:09
S74	8	S73 and dewax\$4 with feed and VI and aniline and sulfur and API and cst	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:21

## EAST Search History

S75	0	dewax\$4 with feed and VI and aniline and sulfur and API and cst with "40" near "F"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:22
S76	0	dewax\$4 with feed and VI and aniline and sulfur and API and kv with "40" near "F"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:22
S77	10	dewax\$4 with feed and VI and aniline and sulfur and API and kv with "F"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/05 10:22
S78	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 12:50
S79	0	S78 and sulfur and aniline	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:49
S80	9	S78 and sulfur	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:12
S82	134	kinematic adj viscosity with viscosity adj index	USPAT	OR	OFF	2006/05/09 11:33
S83	0	S78 and SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 11:49
S84	30	("3523071"   "3637484"   "3642610"   "3755138"   "3929617"   "3941680"   "4028224"   "4046674"   "4153540"   "4213847"   "4238318"   "4283271"   "4292166"   "4294687"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4428825"   "4428862"   "4431517"   "4437975"   "4490242").PN. OR ("4699707"   "4744884").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 13:29
S85	2	S84 and SSU	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 13:08
S86	15	S84 and fractionat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 14:02
S87	820	208/49,57.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:03

## EAST Search History

S88	12	S87 and fractionat\$4 same product with viscosity	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 14:03
S89	19	S87 and fractionat\$4 same product with viscosity	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:09
S90	20	S87 and fractionat\$4 same product with (viscosity or kv or cst or ssu)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:10
S91	27	S87 and fractionat\$4 same product with (viscosity or kv or cst or ssu or sus)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:10
S92	70	S87 and fractionat\$4 and product with (viscosity or kv or cst or ssu or sus)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:11
S93	60	S87 and fractionat\$4 and product with (viscosity or kv or cst or ssu)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:11
S94	8	S87 and fractionat\$4 and product with (viscosity or kv or cst or ssu) with "100"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:29
S95	2	S87 and base adj oil with SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:30
S96	4	S87 and product with SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:31
S97	2	S87 and oil with SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:31
S98	7	S87 and SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:32



## EAST Search History

S99	170	("2721226"   "2779713"   "2941960"   "3303128"   "3338819"   "3432565"   "3459656"   "3486993"   "3487005"   "3491019"   "3516927"   "3523071"   "3575843"   "3637484"   "3637485"   "3642610"   "3755138"   "3767564"   "3880746"   "3929617"   "3941680"   "4028224"   "4046674"   "4067797"   "4100056"   "4141859"   "4153540"   "4181598"   "4213847"   "4238318"   "4247422"   "4283271"   "4292166"   "4294687"   "4302358"   "4347121"   "4357232"   "4361477"   "4395327"   "4412087"   "4414097"   "4418006"   "4428825"   "4428862"   "4431517"   "4436614"   "4437975"   "4490242"   "4500424"   "4556477"   "4574043"   "4575416"   "4584089"   "4597854"   "4599162"   "4600497"   "4610778"   "4636299"   "4648957"   "4650917"   "4683214"   "4696732"   "4717465"   "4728415"   "4747932"   "4755279"   "4790928"   "4810357"   "4822476"   "4900707"   "4906350"   "4906601"   "4908120"   "4911821"   "4913797"   "4916001"   "4919786"   "4919788"   "4921593"   "4923588"   "4929795"   "4935120"   "4937399"   "4943672"   "4959337"   "4975177"   "4992159"   "5037528"   "5059299"   "5122258"   "5135638"   "5158671"   "5182248"   "5200382"   "5246566"   "5246568"   "5254518"   "5258117"   "5275719"   "5282958"   "5290426"   "5543035"   "Re28398").PN. OR ("3637484"   "4695365"   "4699707"   "4744884"   "5273645"   "5770542"   "5951848"   "5976354"   "6051127").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/09 14:32
S10 0	3	S99 and SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 14:59
S10 1	241	base adj oil with SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/09 15:02

## EAST Search History

S10 2	146	naphthenic adj base adj oil with (viscosity or SSU)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 12:52
S10 3	31	naphthenic adj base adj oil with SSU	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 12:52
S10 4	9	US-3637484-\$.DID. OR US-4695365-\$.DID. OR US-4699707-\$.DID. OR US-4744884-\$.DID. OR US-5273645-\$.DID. OR US-5976354-\$.DID. OR US-5770542-\$.DID. OR US-5951848-\$.DID. OR US-6051127-\$.DID.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 14:36
S10 5	2	S104 and aromatic and heteroatom	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:16
S10 6	0	S104 and stripping with column	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:17
S10 7	3	S104 and column	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:17
S10 8	1	S104 and column with trays	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:19
S10 9	0	S104 and tray with reflux	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:20
S11 0	0	S104 and tray with feed	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:20
S11 1	1	S104 and tray	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:20
S11 2	3	S104 and column	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:20